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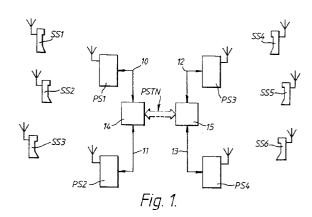
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64 Method of optimising the transmission of idle beacon messages in a communications system and a communications system operable in accordance with the method.

(57) In some TDD communications systems such as DECT it has been proposed that in an idle period a primary (or base) station transmits some basic system and timing information as a normal idle beacon message once every frame and that paging messages to secondary stations (or portables) be sent once every 16 frames. In relatively long idle periods, for example at night, these frequent normal idle beacon messages are not required and represent a source of undesirable interference and a waste of power. In order to reduce this undesirable interference it is proposed that the primary station, subject to certain conditions being determined by the primary station, invites in-range secondary stations to participate in a low duty cycle link mode in which the primary station transmits paging messages as required and low duty link reassurance messages at relatively long intervals. In this mode the secondary stations are controlled to wake up at the required intervals. However, if the surrounding interference increases, the system reverts to the normal idle state.





EUROPEAN SEARCH REPORT

Application Number

EP 91 20 0459

Category	Citation of document with indi of relevant passa	ERED TO BE RELEVAN cation, where appropriate,	Relevant to claim	CLASSIFICATION OF THE	
A	EP-A-0 344 624 (NEC * column 3, line 10 - figures 1-8 *	CORP.)	1	APPLICATION (Int. Cl.5) H04Q7/04 H04M1/72	
A	US-A-4 247 908 (LOCKH * column 4, line 55 - figures 1,2 *	ART ET AL) column 6, line 4;	1		
A	38 TH IEEE VEHICULA CONFERENCE, June 1988 PENNSYLVANIA US pages 520 - 524 SADAO ITO 'A PROPOSA TELEPHONE SYSTEM' * page 520, right col 522, left column, lin	L OF PORTABLE umn, line 9 - page	1		
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				TECHNICAL FIELDS SEARCHED (Int. Cl.5)	
				H04Q H04M	
	The present search report has been	•			
Place of search THE HAGUE		Date of completion of the search 10 DECEMBER 1992		Examiner DELANGUE P.C.J.	
	CATEGORY OF CITED DOCUMENTS				
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category		E: earlier patent d after the filing D: document cited	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons		
O: non	nological background -written disclosure rmediate document		& : member of the same patent family, corresponding document		